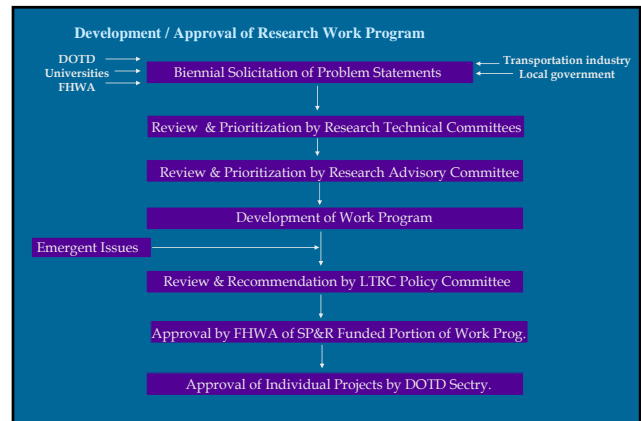


LTRC

Development &
Approval of
Research Work
Program



Solicitation of Research Problem Statements

**Problem statements welcomed
at any time**

BUT

Formally solicited on a biennial basis

Financial commitments for research over
two-year period

Problem Statements are Solicited From:

- DOTD Personnel
- LA State Universities
- FHWA
- Private Transportation Interests
- Local Government Transportation Interests

Solicitation of Research Problem Statements

- LA DOTD
 - Each Director
 - Each Division Chief
 - Each District
 - Each Section

Solicitation of Research Problem Statements

- Associations
 - American Society of Civil Engineers
 - Asphalt Institute
 - LA Chap. of American Concrete Paving Assoc.
 - Concrete Aggregates Assoc. of LA, Inc.
 - LA Crushed Stone Association
 - LA Asphalt Pavement Association
 - LA Highway Safety Commission
 - LA Motor Transport Association, Inc.
 - LA Engineering Society
 - American Concrete Institute
 - Ports Association of LA
 - Associated General Contractors of LA, Inc.
 - LA Public Transit (Railroads)
 - LA Airport Managers Association
 - Consulting Engineers Council of LA

contd.

Solicitation of Research Problem Statements, contd.

- Universities
 - Louisiana Tech University
 - Louisiana State University
 - McNeese State University
 - Southern University
 - Tulane University
 - University of New Orleans
 - University of Southwestern Louisiana

contd.

Solicitation of Research Problem Statements, contd.

- Local Governments
 - Rapides Area Planning Commission
 - Capital Region Planning Commission
 - Terrebonne Parish Consolidated Gov't
 - Lafayette Areawide Planning Commission
 - Imperial Calcasieu Regional Planning & Development Commission
 - Ouachita Council of Governments
 - N.O. Regional Planning Commission
 - Shreveport Area Council of Governments
 - City Departments of Public Works
 - Shreveport - Alexandria
 - Baton Rouge - Lafayette
 - New Orleans - Monroe

contd.

Solicitation of Research Problem Statements, contd.

- Federal Highway Administration
 - LA FHWA Division
 - FHWA - Region VI

LTRC USE ONLY
PROBLEM STATEMENT NO.
DATE OF RECEIPT

LTRC PROBLEM STATEMENT SOLICITATION

- 1. PROBLEM TITLE:**
(GIVE A BRIEF AND APPROPRIATE NAME TO THE PROBLEM YOU ARE PROPOSING)
- 2. PROBLEM STATEMENT:**
(BRIEFLY DESCRIBE THE PROBLEM YOU ARE PROPOSING)
- 3. PROPOSED RESEARCH:**
(DESCRIBE THE APPROACH YOU ENVISION TO SOLVE THE PROBLEM)
- 4. POTENTIAL IMPLEMENTATION AND BENEFIT:**
(DESCRIBE HOW YOU FORESEE THE RESULTS WILL BE IMPLEMENTED AND HOW THE TRANSPORTATION COMMUNITY WILL BENEFIT. HIGHER PRIORITIES WILL BE GIVEN TO STATEMENTS WITH SIGNIFICANT IMPLEMENTATION POTENTIAL)

Composition of Research Technical Committees

- Chairman - DOTD Staff Member
- LTRC Coordinator - Group Research Manager
- Transportation Industry Representatives
- Academic Representatives
- FHWA Representatives
- DOTD Representatives
- Local Government Representatives

RESEARCH PROGRAM DEVELOPMENT PROCESS

- **RESEARCH PROBLEM IDENTIFICATION COMMITTEES**
 - Pavements, Geotechnical & Hydraulics
 - Materials
 - Planning & Environmental
 - Structures
 - Traffic/Safety/ITS
 - Construction, Maintenance & Pavement Preservation
 - Public Works & Intermodal

RPIC Meeting Activities

- Review of Existing Research Program
- Review Problem Statements
 - Consider & Advocate Problems With Merit / Implementation Potential / Urgency
- Identify
 - Non-Research Problems
 - Duplication of Existing Research
- Consolidate Similar Ideas
 - Document Revised Scope
- Develop / Discuss New Ideas Not Previously Submitted

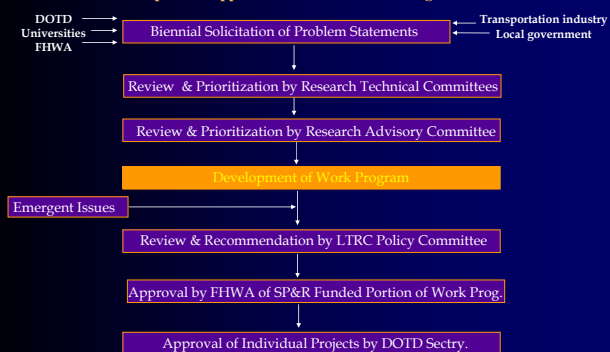
Problem Statement Rating Process

- A) Importance as a Transportation Problem
 - No need = 0
 - Low = 1
 - Med. = 2
 - High = 3
- B) Implementation Potential
 - No Potential = 0
 - Low = 1
 - Med. = 2
 - High = 3
- Rating = A x B From 0 to 9
- Minimum Favorable Composite Rating = 5.50

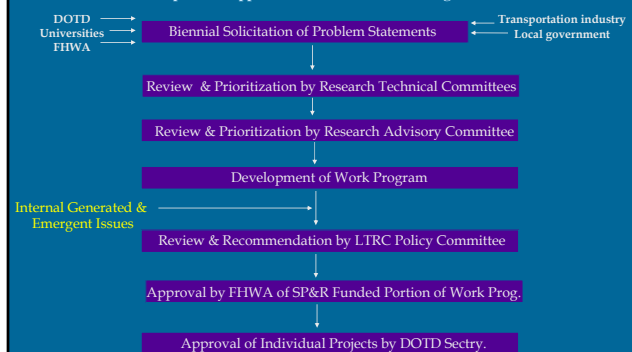
Composition of Research Advisory Committee (RAC)

- Each Research Technical Committee Chairman
- DOTD Directorate Level Staff
- LTRC Personnel
- FHWA

Development / Approval of Research Work Program

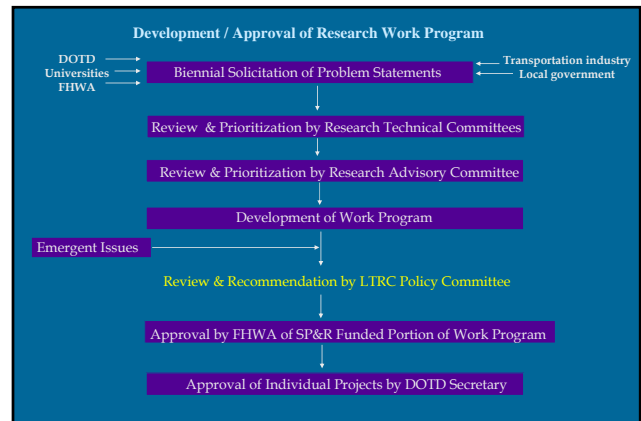


Development / Approval of Research Work Program



Internal Generated Problem Statements & Emergent issues :

- Unanticipated problems
- New DOTD critical needs
- Emerging technology
- Legislative resolutions or mandates
- LTRC research laboratories



Proposal Approval Process

- Associate Director Research
- Director LTRC
- Policy Committee Chair (chief engineer)
- Implementation Sponsor
- DOTD Secretary